



A.D. 1852 . . . . . N<sup>o</sup> 13,954.

S P E C I F I C A T I O N

OF

GEORGE TORR.

RE-BURNING ANIMAL CHARCOAL.

LONDON:

PRINTED BY GEORGE E. EYRE AND WILLIAM SPOTTISWOODE,  
PRINTERS TO THE QUEEN'S MOST EXCELLENT MAJESTY:

PUBLISHED AT THE GREAT SEAL PATENT OFFICE,  
25, SOUTHAMPTON BUILDINGS, HOLBORN.

Price 1s. 3d.

1857.







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## Re-burning Animal Charcoal.

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### TORR'S SPECIFICATION.

TO ALL TO WHOM THESE PRESENTS SHALL COME, I, GEORGE TORR, of the Chemical Works, Trunley's Lane, Rotherhithe, Animal Charcoal Burner, send greeting.

WHEREAS Her present most Excellent Majesty Queen Victoria, by Her  
5 Royal Letters Patent under the Great Seal of the United Kingdom of  
Great Britain and Ireland, bearing date at Westminster, the Third day of  
February, in the fifteenth year of Her reign, did, for Herself, Her heirs  
and successors, give and grant unto me, the said George Torr, my exors,  
admoors, and assigns, Her especial licence, full power, sole privilege and  
10 authority, that I, the said George Torr, my exors, admoors, and assigns, or  
such others as I, the said George Torr, my exors, admoors, or assigns, should  
at any time agree with, and no others, from time to time and at all times  
during the term of years therein expressed, should and lawfully might  
make, use, exercise, and vend, within England, Wales, and the Town of  
15 Berwick-upon-Tweed, and in the Islands Guernsey, Jersey, Alderney, Sark,  
and Man, and in all Her Majesty's Colonies and Plantations abroad, my  
Invention of "IMPROVEMENTS IN REBURNING ANIMAL CHARCOAL;" in which  
said Letters Patent is contained a proviso that George Torr shall cause a  
particular description of the nature of my said Invention, and in what manner  
20 the same is to be performed, by an instrument in writing under my hand



*Torr's Improvements in Reburning Animal Charcoal.*

and seal, to be inrolled in Her said Majesty's High Court of Chancery within six calendar months next and immediately after the date of the said in part recited Letters Patent, as in and by the same, reference being thereunto had, will more fully and at large appear.

**NOW KNOW YE**, that in compliance with the said proviso, I, the said 5 George Torr, do hereby declare that the nature of my said Invention, and the manner of performing the same, are fully described and ascertained in and by the following statement thereof, reference being had to the Drawings hereunto annexed, and to the figures and letters marked thereon; that is to say :— 10

My Invention consists of improvements in constructing and setting the revolving retorts or apparatus used in reburning animal charcoal; and in order that the Invention may be most fully understood and readily carried into effect, I will proceed to describe the means pursued by me.

## DESCRIPTION OF THE DRAWINGS. 15

Figure 1 shews a longitudinal section of a retort and apparatus constructed and set according to my Invention. Figure 2 is a transverse section thereof. Figure 3 is a front view, and Figure 4 a back view of the same. In each of these Figures the same letters are used to indicate the same parts. *a, a*, is the retort which has an open end in front, and a closed end with a hollow axis 20 at the back, by which arrangement the back end of the retort can be within the masonry or setting, and consequently can be heated, as is clearly shewn by the Drawings. *b* is a fixed tube passing within the retort, having an opening at *b*<sup>1</sup>, through which any vapours evolved, as the process of reburning animal charcoal goes on, may escape and be conducted away by the pipe *c*. In order 25 to turn over the matters under process, the long plate *e* is employed; it is fixed within the retorts by arms *f, f*, as shewn, by means of which the animal charcoal will be distributed more advantageously as the retort revolves. *g* is the cover at the front. *h, h*, are the pulleys by which the retort is put into motion. *i* is the fireplace. *j*, the chamber within which the retort 30 revolves, and from which the heat and products from the fire pass, and thence into the chimney. It will be seen that the back end of the retort is within the chamber, and there is space between it and the masonry or setting, hence that end of the retort can be heated, which is important.

Having thus described the nature of my Invention, and the manner of 35 performing the same, I would have it understood that I do not confine myself to the precise details as herein given, so long as the peculiar character of my Invention is otherwise retained. But what I claim are the improvements in

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*Torr's Improvements in Reburning Animal Charcoal.*

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constructing and setting revolving retorts or apparatus used in reburning animal charcoal.

In witness whereof, I, the said George Torr, have hereunto set my hand and seal, this Twenty-second day of July, in the year of our Lord One thousand eight hundred and fifty-two.

GEORGE (L.S.) TORR.

AND BE IT REMEMBERED, that on the Twenty-second day of July, in the year of our Lord 1852, the aforesaid George Torr came before our said Lady the Queen in Her Chancery, and acknowledged the Specification aforesaid, and all and every thing therein contained and specified, in form above written. And also the Specification aforesaid was stamped according to the tenor of the Statute made for that purpose.

Enrolled the Third day of August, in the year of our Lord One thousand eight hundred and fifty-two.

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LONDON :

Printed by GEORGE EDWARD EYRE and WILLIAM SPOTTISWOODE,  
Printers to the Queen's most Excellent Majesty. 1857.



# THE HISTORY OF THE

REIGN OF KING CHARLES THE FIRST

IN WHICH ARE CONTAINED THE PARTICULARS OF HIS LIFE AND DEATH

BY SAMUEL JOHNSON

IN TWO VOLUMES

LONDON: Printed by A. MILLAR, in Pall-mall, 1729.

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IN WHICH ARE CONTAINED THE PARTICULARS OF HIS LIFE AND DEATH

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FIG. 2.

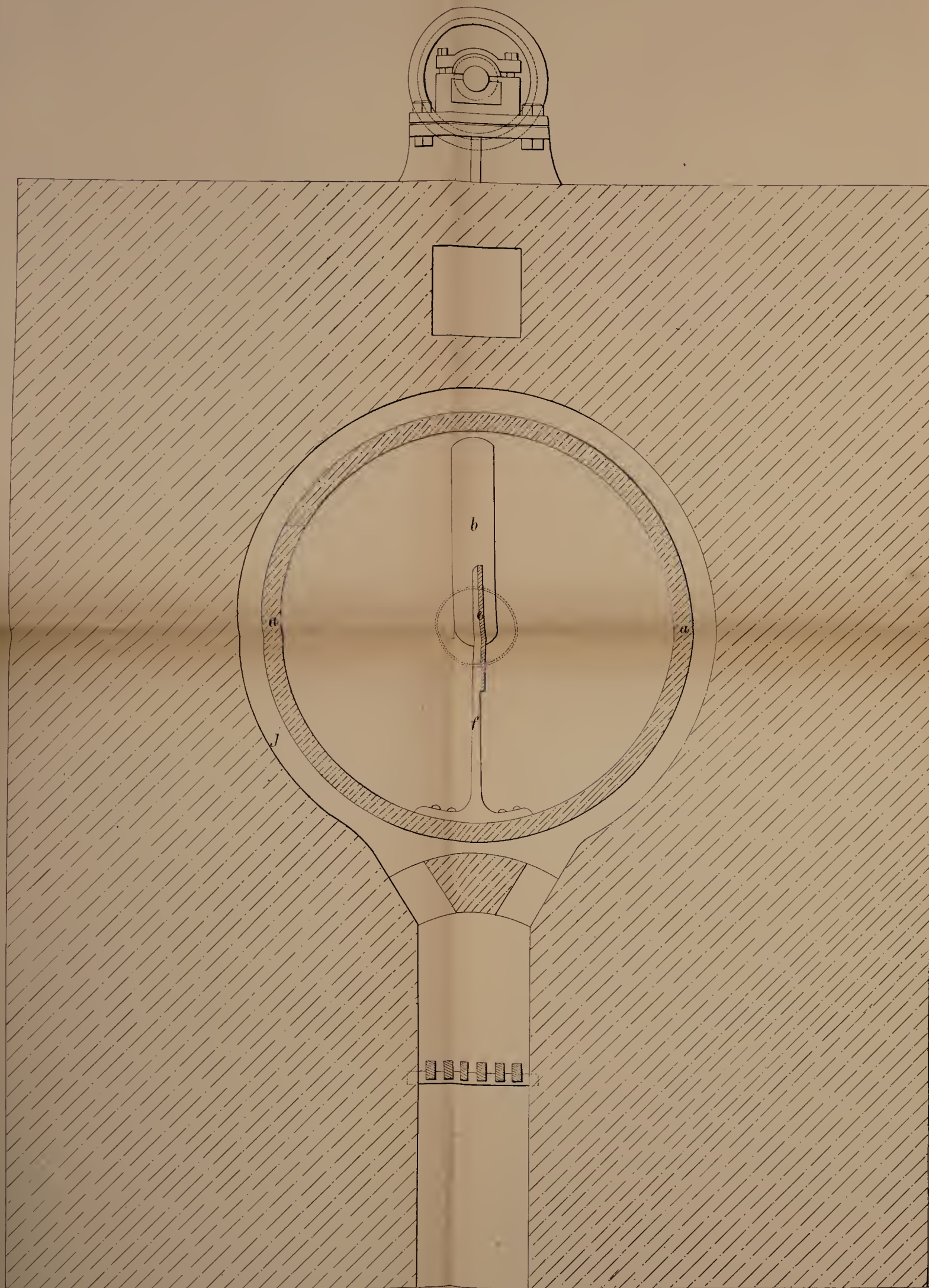
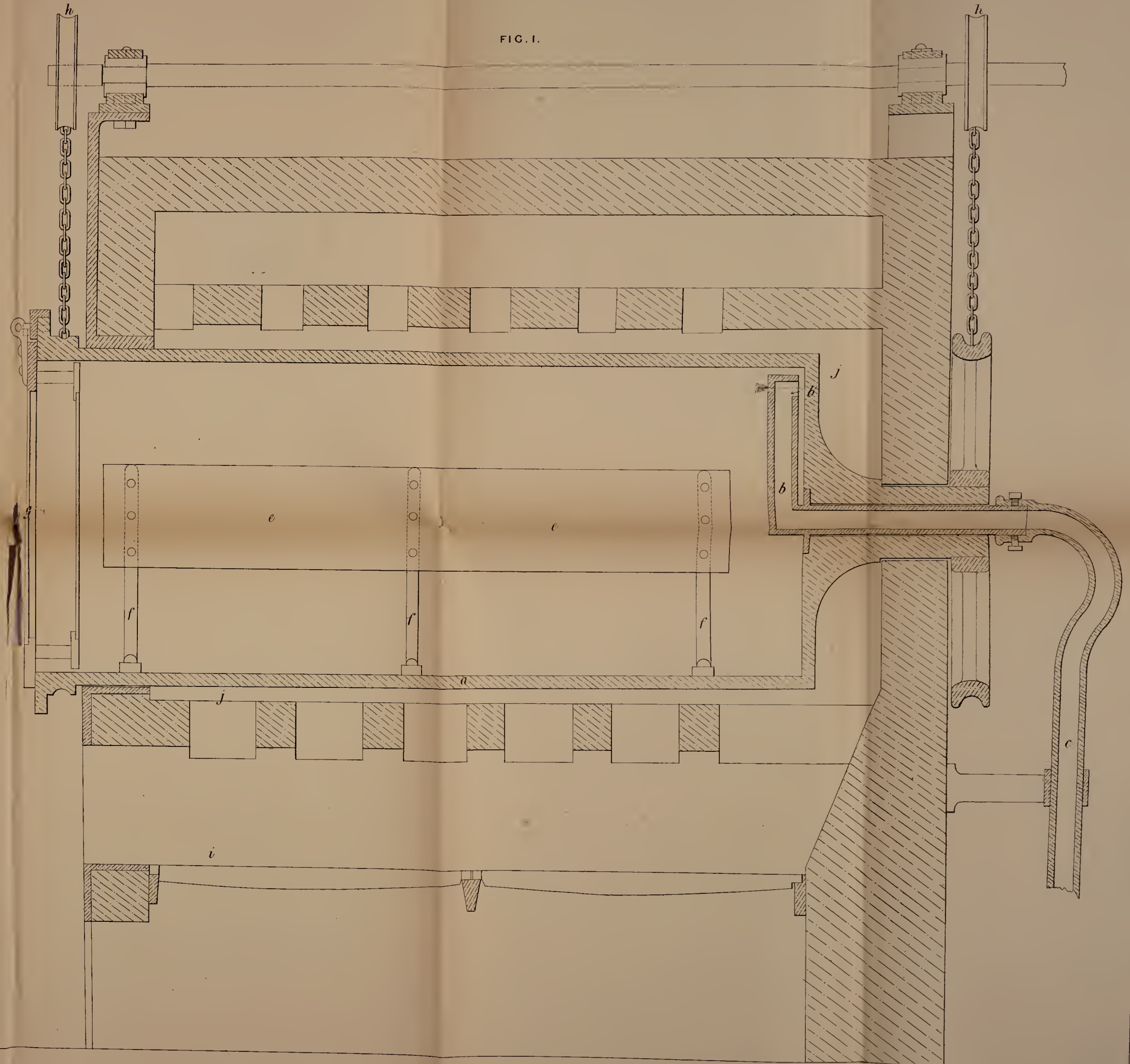


FIG. 1.









A.D. 1852, FEB. 3. N<sup>o</sup> 13,954.  
TORR'S SPECIFICATION.

FIG. 3.

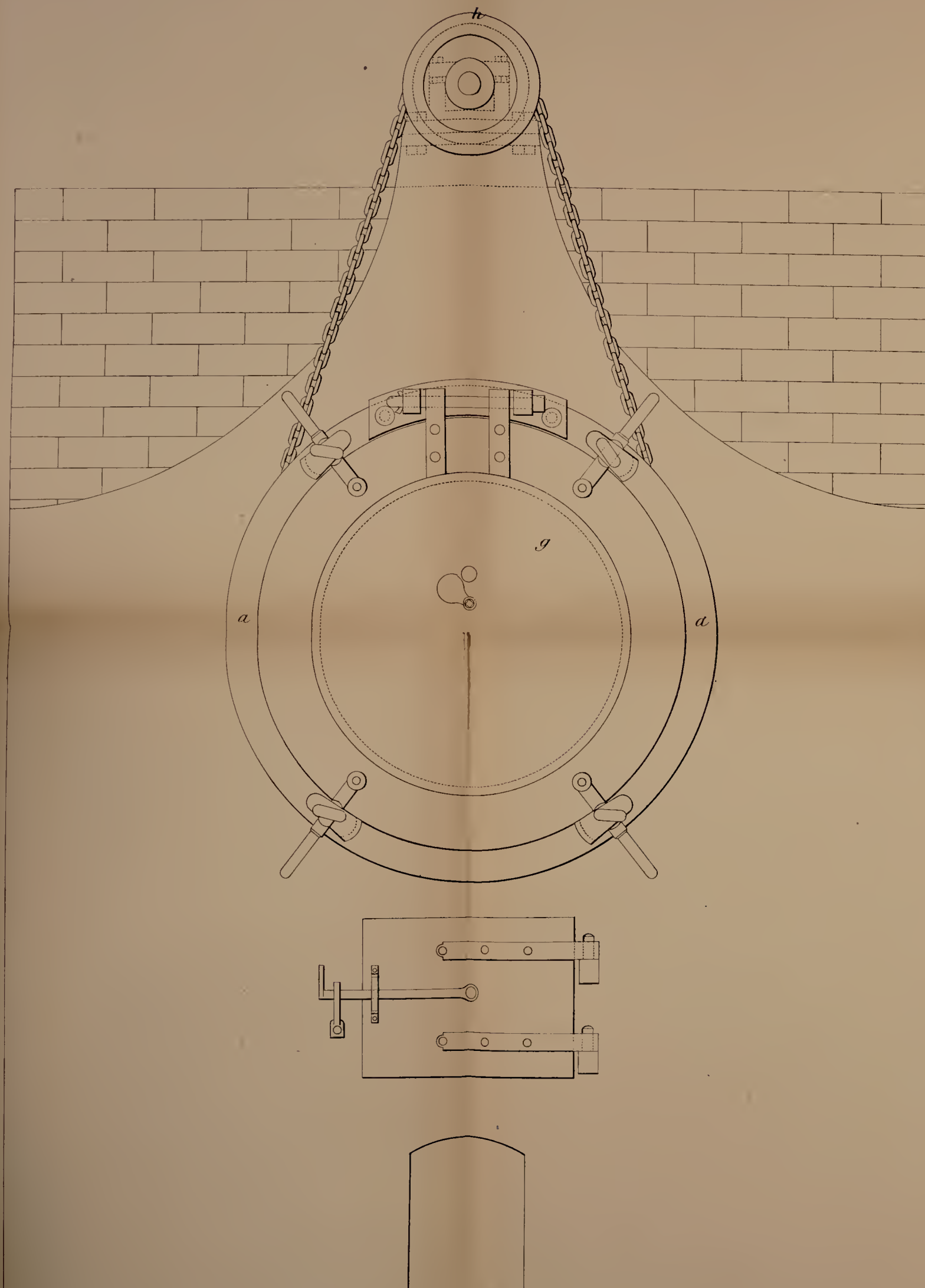


FIG. 4.

